Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Modified est. of Construction of culverts in 1st main road in Ravindranagara , in Ward no. 13, in Shettyhalli Sub-Division.

Est .Cost Rs. 9.90 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB-2-2:1 Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(a)/ 2.3.5, Page No. 5/ Item No. 2.3/ PWD SR 2012-13								
	1st cross rcc drain	Cum	1	78.00	1.10	1.20	102.96		
	Culverts		5	6.00	2.00	1.20	72.00		
							174.96	129.60	**22675**
2	KSRB 4-1.2: Providing and laying in position plain cement concrete of nominal mix M 10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2 Page No. 12/ Item No. 4.2/ PWD SR 2012-13								
	1st cross rcc drain	Cum	1	78.00	1.10	0.15	12.87		
	Culverts		5	6.00	1.80	0.15	8.10		
							20.97	3349.08	**70230**
3	KSRB 5.3-3 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 26/ Item No. 5.9/ PWD SR 2012-13.	Cum							
	For Culverts		5	6.00	0.60	0.80	14.40		
							14.40	3015.36	**43421**
4	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 340kgs, with with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 ,P.13/I.4.11/ PWD SR 2012-13								
	Culverts coping		10	6.00	0.60	0.10	**3.60**	4388.04	**15797**
5	KSRB 15.1.3: Providing Flush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.							66.42	3188

6	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 340kgs, with with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 ,P.13/I.4.11/ PWD SR 2012-13								
	Walls	Cum	2x1	78.00	0.15	0.80	18.72		
	Bed		1	78.00	0.60	0.15	7.02		
							25.74		
	For Culvert Covering	Cum	5	6.00	1.80	0.23	12.42		
	For Culvert Coping		10	6.00	0.60	0.10	3.60		
							41.76		
							41.76	4491.72	**187574**
7	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46/ PWD SR 2012-13								
		Qtls		38.16	x	85kgs	32.44		
							32.44	5204.52	**168814**
8	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 62.20 (P.147 I.18.57/1)								
	Qty Vide Item No=1+5	Cum					**174.96**		
	Qty Limited to						**174.96**	72.71	**12721**
	(For 3 km = 3 x 1.28 x 2.0)	7.68							
	Loading and Unloading Charges	62.20							
		69.88							
	Area Weightage @ 6%	4.19							
	Total	**74.07**							
	EIRL								
9	KSRB 4-6.9: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walss at any thickness,including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specification. Specification No. KSRB 4.6.9 Page No. 17/ Item No. 4.36/ PWD SR 2012-13	Sqm							
	for RCC drain Walls		2x2	78.00		1.00	312.00		
			5	6.00		1.00	120.00		
							432.00	555.44	**239950**
	Basic Rate	524.00							
	Area Weightage @ 6%	31.44							
		555.44							

	Providing & laying reinforeced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.	Sqm							
			1	78.00	0.90		70.20		
	Missing slabs		91	0.60	0.90		49.14		
	Approved Rate of Precast slab	1963.6							
	Data rate for precast slab of 100MM thick						**119.34**	1963.6	**234336**
11	Miscellaneous and unforseen Charges								**294**
								Total	**999000**
(Rupees Nine Lakhs NinetyNine Thousand Only)									

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2012-13
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ನಂ.EE/DDTS/177 ದಿನಾಂಕ : 24/2/2014

ರೂ. 9.99 Lakhs (Rupees Nine Lakh Ninty nine Thousand only)
ಗಳ ಆಡಳಿತಾತ್ಮಕ ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

24/2/14